

SECRET

(When Filled In)

R & D CATALOG FORM		DATE
1. PROJECT TITLE/CODE NAME High Precision Stereo Comparator		2. SHORT PROJECT DESCRIPTION Development of a state-of-the-art stereoscopic comparator with automatic stereo correlation and tracking sub-micron mensuration, and advanced optical system.
3. CONTRACTOR NAME		4. LOCATION OF CONTRACTOR
5. CLASS OF CONTRACTOR Manufacturer		6. TYPE OF CONTRACT CPAF
7. FUNDS	8. REQUISITION NO.	9. BUDGET PROJECT NO.
FY 19 68 \$	NA	NP-O-1
FY 19 69 \$	10. EFFECTIVE CONTRACT DATE (Begin - end) NA	11. SECURITY CLASS. AA - Confidential T - Unclassified W - Unclassified
FY 19 70 \$		
12. RESPONSIBLE DIRECTORATE/OFFICE/PROJECT OFFICER/TELEPHONE EXTENSION DDI/NPIC/TSSG/DED/		
13. REQUIREMENT/AUTHORITY This program is in direct support to an internal operational requirement for an advanced stereo mensuration capability comparable to advanced collection systems.		
14. TYPE OF WORK TO BE DONE Engineering Development		
15. CATEGORIES OF EFFORT		
MAJOR CATEGORY Other	SUB-CATEGORIES Precision Measurement Support Photogrammetry Information Processing	
16. END ITEM OR SERVICES FROM THIS CONTRACT/IMPROVEMENT OVER CURRENT SYSTEM, EQUIPMENT, ETC. The design, fabrication and delivery of an operational High Precision Stereo Comparator, compatible with future collection systems. The system as contracted for will provide capabilities for the Center that do not exist in current instrumentation.		
17. SUPPORTING OR RELATED CONTRACTS (Agency & Other)/COORDINATION This program is related to the Precise Measurement Study. Extensive coordination has been accomplished within the Agency, the intelligence community through COMIREX, ERDL Fort Belvoir, Rome Air Development Command, and the National Bureau of Standards.		
18. DESCRIPTION OF INTELLIGENCE REQUIREMENT AND DETAILED TECHNICAL DESCRIPTION OF PROJECT (Continue on additional page if required) All available comparators are based on cartographic requirements. They are not capable of adequate performance on the volume and quality of photography now being exploited for intelligence purposes. This comparator is the first whose features are commensurate with the latest generations of collection systems. Its magnification range, distortion correction, film capacity, and computer-driven optical adjustments will greatly extend the photo analyst's capability.		
19. APPROVED BY AND DATE		
OFFICE	DEPUTY DIRECTOR	DDCI
Approved For Release 2003/12/04 : CIA-RDP78B05171A000100010034-1		Declass Review by NMA/DOA-1